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fluorescence measurement does not involve a solid phase. On the other hand, the liquid phase fluorescence measurement leads to a complicated procedure because of requiring extra steps as compared to the solid phase 5 fluorescence measurement. Furthermore, the liquid phase fluorescence measurement may in some cases provide a somewhat lower sensitivity than that of the solid phase fluorescence measurement for reasons such as susceptibility to the influence of impurities during the 10 step of dissociation solution treatment. However, it will be understood that the respective maximum sensitivities that are achieved by the solid and liquid fluorescence measurements may vary depending on the combination of various conditions concerning the assay.

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According to the present invention, a kit for carrying out the aforementioned time-resolved fluoroimmunoassay (TR-FIA) method is further provided. This kit usually includes at least the aforementioned 20 components (a), (c), (d) and (e) as component items. In other words,

a first antibody including a portion bound to a solid phase and a region bindable to a cytokine; a second antibody